

## II. REMARKS

Applicants submit the foregoing claim amendments and cancellations for the purpose of expediting prosecution of the instant application. The amendments introduce no new matter. Specification support for the amendments is set forth below. Citations to the 1981 specification are to U.S. Patent 4,694,490 which issued on application serial number 06/317,510.

Claims 100, 114 & 116 have been amended to replace the term “contain” (or its variants) with the more conventional transitional term “include” (or its variants). No new matter is added by these amendments.

Claim 5 is amended to set forth originating a first instruct signal at an origination transmitter station, originating at least one control signal at the origination transmitter station, and transmitting the first instruct signal and the control signal from the origination transmitter station to a remote intermediate transmitter station before a specific time at which the remote intermediate transmitter station is to transmit the first instruct signal, whereby the control signal is detectable by a control signal detector and effective at a controller to control a selective transfer device to communicate the first instruct signal to a broadcast or cablecast transmitter to thereby control communication of the first instruct signal from the broadcast or cablecast transmitter to at least one receiver station at the specific time. Support for this amendment can be found in the 1987 specification at page 25 line 34 to page 26 line 2, page 59 lines 29-33, page 325 line 34 to page 326 line 7, and page 327 line 35 to page 329 line 1. The 1981 specification provides support for this amendment at column 11 lines 3-7 and 38-57, and column 19 lines 60-62. No new matter is added by this amendment.

Claim 6 is amended to set forth that the control signal includes an identifier which operates to identify a signal including the first instruct signal. Support for this amendment can be found in the 1987 specification at page 28 lines 26-27, page 49 lines

26-27 and page 327 line 35 through page 328 line 13 and in the 1981 specification at column 11 lines 38-43. No new matter is added by this amendment.

Claim 7 is amended to set forth that the specific time is a scheduled time of transmitting a signal including the first instruct signal. Support for this amendment can be found in the 1987 specification at page 326 line 30 to page 327 line 2 and in the 1981 specification at column 11 lines 21-31. No new matter is added by this amendment.

Claim 8 is amended to set forth a step of embedding the control signal in a signal including the instruct signal. Support for this amendment can be found in the 1987 specification at page 13 lines 25-26, page 25 line 34 to page 26 line 1 and page 327 line 35 through page 328 line 13. The 1981 specification supports this amendment at column 4 lines 5-6, column 11 lines 38-39 and column 19 lines 42-43 and 60-63. No new matter is added by this amendment.

Claim 11 is amended to set forth originating television programming at an origination transmitter station, the television programming including audio, originating at least one control signal at the origination transmitter station, and transmitting the television programming and the control signal from the origination transmitter to a remote television transmitter station before a specific time at which the remote television transmitter station is to transmit the television programming, whereby the control signal is detectable by a control signal detector and effective at a controller to control at least one selective transfer device to communicate the television programming to a broadcast or cablecast transmitter to thereby control communication of the television programming from the broadcast or cablecast transmitter to at least one receiver at the specific time. Support for this amendment can be found in the 1987 specification at page 25 line 33 through page 26 line 1, page 59 lines 29-33, page 325 line 34 to page 326 line 7, and page 327 line 35 to page 329 line 1. The 1981 specification provides support for this amendment at column 11 lines 3-7 and 38-57 and column 19 lines 59-62. No new matter is added by this amendment.

Claim 55 is amended to set forth originating at an origination station a unit of mass medium programming. Support for this amendment can be found in the 1987 specification at page 20 lines 26-31 and in the 1981 specification at column 19 lines 60-63. No new matter is added by this amendment.

Claim 97 is amended to set forth originating television programming at an origination station. Support for this amendment can be found in the 1987 specification at page 20 lines 26-31 and in the 1981 specification at column 19 lines 60-63. No new matter is added by this amendment.

### III. CONCLUSION

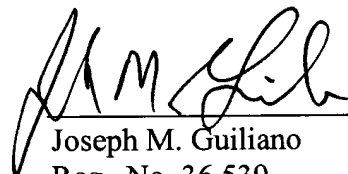
Applicants respectfully request consideration of the foregoing amendments and allowance of the instant application.

If the Examiner has any remaining informalities to be addressed, it is believed that prosecution can be expedited by the Examiner contacting the undersigned attorney for a telephone interview to discuss resolution of such informalities.

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## **Appendix A**

### **Applicants' Marked-Up Claim Language**



2. (Cancelled.)

3. (Cancelled.)

4. (Cancelled.)

5. **(Four Times Amended)** A method of controlling a remote intermediate transmitter station to communicate at least one instruct signal to at least one receiver station, said remote intermediate transmitter station including one of a broadcast and a cablecast transmitter for transmitting said at least one instruct signal which is effective at said at least one receiver station to instruct [one of a computer and] a processor, a plurality of selective transfer devices each operatively connected to said one of a broadcast and a cablecast transmitter, said plurality of selective transfer devices each being adapted for communicating said at least one instruct signal, a receiver for receiving said at least one instruct signal from at least one origination transmitter station, a control signal detector, and [said one of] a controller [and a computer] capable of controlling at least one of said plurality of selective transfer devices, said remote intermediate transmitter station being adapted to detect the presence of at least one control signal, to control communication of a first instruct signal in response to said at least one control signal, and to deliver at said one of a broadcast and a cablecast transmitter said first instruct signal, said method comprising the steps of:

[receiving] originating said first instruct signal at said at least one origination transmitter station [and delivering said first instruct signal to at least one origination transmitter];

[receiving] originating said at least one control signal at said at least one origination transmitter station [which is operable at said remote intermediate transmitter station to control communication of said first instruct signal]; and

transmitting said first instruct signal and said at least one control signal from said at least one origination transmitter station to said remote intermediate transmitter station before a specific time at which said remote intermediate transmitter station is to transmit said first instruct signal.

whereby, said at least one control signal is detectable by said control signal detector and effective at said controller to control said at least one selective transfer device to communicate said first instruct signal to said one of a broadcast and a cablecast transmitter to thereby control communication of said first instruct signal from said one of a broadcast or a cablecast transmitter to said at least one receiver station at said specific time.

6. **(Twice Amended)** The method of claim 5, wherein said at least one control signal includes [at least one of a code and a datum] an identifier which operates at said remote intermediate transmitter station to identify [at least one of] a signal including said first instruct signal [and some information associated with said first instruct signal], said method further comprising the step of:

transmitting a second instruct signal which operates at said remote intermediate transmitter station [at said specific time] to communicate said first instruct signal to said one of a broadcast and a cablecast transmitter.

7. **(Four Times Amended)** The method of claim 5, wherein said specific time is a scheduled time of transmitting [one of] a signal including said first instruct signal [and some information associated with said first instruct signal] and wherein said at least one control signal is effective at said remote intermediate transmitter station to control at least one of said plurality of selective transfer devices at different times.

8. **(Twice Amended)** The method of claim 5, further comprising the step of embedding [a specific] said at least one control signal [at least one of] in a signal including said first instruct signal [and in an information transmission containing said instruct signal before transmitting said instruct signal to said remote intermediate transmitter station].

9. **(Cancelled.)**

10. **(Cancelled.)**

11. **(Four Times Amended)** A method of controlling a remote television transmitter station to communicate television program material to at least one receiver station, said remote television transmitter station including one of a broadcast and a cablecast transmitter for transmitting television programming, a plurality of selective transfer devices each operatively connected to said one of a broadcast and a cablecast transmitter for communicating said television programming, a television receiver for receiving said television programming from at least one origination transmitter station, a control signal detector, and a [one of] controller [and a computer] capable of controlling said at least one of said selective transfer devices, said remote television transmitter station being adapted to detect the presence of at least one control signal, to control the communication of said television programming in response to said at least one control signal, and to deliver at said one of a broadcast and a cablecast transmitter said television programming, said method comprising the steps of:

[receiving] originating said television programming at said at least one origination transmitter station [and delivering said television programming to at least one origination transmitter], said television programming including audio and a plurality of images to be outputted at said at least one receiver station in a predetermined sequence;

[receiving] originating said at least one control signal at said at least one origination transmitter station[, which at said remote intermediate television transmitter station operates to control communication of said television programming]; and

transmitting said television programming and said at least one control signal [to] from said at least one origination transmitter station to said remote television transmitter station before a specific time at which said remote television transmitter station is to transmit said television programming

whereby, said at least one control signal is detectable by said control signal detector and effective at said controller to control said at least one selective transfer device to communicate said television programming to said one of a broadcast and a cablecast transmitter to thereby control communication of said television programming from said one of a broadcast or a cablecast transmitter to said at least one receiver station at said specific time.

12. (Cancelled.)

13. (Cancelled.)

14. (Cancelled.)

15. (Cancelled.)

16. (Cancelled.)

17. (Cancelled.)

18. (Cancelled.)



19. **(Cancelled.)**

20. **(Cancelled.)**

21. **(Cancelled.)**

22. **(Cancelled.)**

23. **(Cancelled.)**

24. **(Cancelled.)**

25. **(Cancelled.)**

26. **(Cancelled.)**

27. **(Cancelled.)**

28. **(Cancelled.)**

29. **(Cancelled.)**

30. **(Cancelled.)**

31. **(Cancelled.)**

32. **(Cancelled.)**

33. **(Cancelled.)**

34. **(Cancelled.)**

35. **(Cancelled.)**

36. **(Cancelled.)**

37. **(Cancelled.)**

38. **(Cancelled.)**

39. **(Cancelled.)**

40. **(Cancelled.)**

41. **(Cancelled.)**

42. **(Cancelled.)**

43. **(Cancelled.)**

44. **(Cancelled.)**

45. **(Cancelled.)**

46. (Cancelled.)

47. (Cancelled.)

48. (Cancelled.)

49. (Cancelled.)

50. (Cancelled.)

51. (Cancelled.)

52. (Cancelled.)

53. (Cancelled.)

54. (Cancelled.)

55. **(Twice Amended)** A method of controlling a remote intermediate mass medium program transmitter station to communicate mass medium programming to a remote receiver station, said method comprising the steps of:

[receiving] originating at an origination station a unit of mass medium programming;

transmitting said unit of mass medium programming and a first signal from said origination station to an intermediate mass medium program transmitter station;

receiving at said intermediate mass medium program transmitter station said unit of mass medium programming and said first signal;

retransmitting, based on said first signal, said unit of mass medium programming from said intermediate mass medium program transmitter station to a receiver station;  
and

receiving and outputting said unit of mass medium programming at said receiver station.

56. (Cancelled.)

57. (Unchanged) The method of claim 55 wherein said step of transmitting includes the step of transmitting said unit of mass medium programming and a second signal from said origination station to said intermediate mass medium program transmitter station, said second signal including an identification signal identifying said unit of mass medium programming transmitted therewith.

58. (Unchanged) The method of claim 55, wherein said unit of mass medium programming comprises television programming, said television programming including an audio portion and a portion of video.

59. (Cancelled.)

60. (Cancelled.)

61. (Cancelled.)

62. (Cancelled.)

63. (Cancelled.)

64. (Cancelled.)

65. (Cancelled.)

66. (Cancelled.)

67. (Cancelled.)

68. (Cancelled.)

69. (Cancelled.)

70. (Cancelled.)

71. (Cancelled.)

72. (Unchanged) The method of claim 71, wherein said plurality of units of programming comprise television programming, said television programming including an audio portion and a portion of video to be displayed simultaneously with said audio portion.

73. (Cancelled.)

74. (Cancelled.)

- 75. (Cancelled.)
- 76. (Cancelled.)
- 77. (Cancelled.)
- 78. (Cancelled.)
- 79. (Cancelled.)
- 80. (Cancelled.)
- 81. (Cancelled.)
- 82. (Cancelled.)
- 83. (Cancelled.)
- 84. (Cancelled.)
- 85. (Cancelled.)
- 86. (Cancelled.)
- 87. (Cancelled.)

88. (Cancelled.)

89. (Cancelled.)

90. (Cancelled.)

91. (Cancelled.)

92. (Cancelled.)

93. (Cancelled.)

94. (Cancelled.)

95. (Cancelled.)

96. (Cancelled.)

97. (Twice Amended) A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:

[receiving] originating said television programming at an origination station ;  
transmitting said television programming and a signal from said origination station to said intermediate transmitter station;  
receiving said television programming and said signal at said intermediate transmitter station;  
detecting said signal at said intermediate transmitter station;

establishing, under computer control, a transmission time and a transmission channel for transmitting said television programming from said intermediate transmitter station based on said signal;

transmitting said television programming from said intermediate transmitter station to said receiver station at said established transmission time and over said established transmission channel;

receiving at said receiver station said transmitted television programming.

98. (Unchanged) A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:

receiving said television programming at an origination station ;

transmitting said television programming and a plurality of signals from said origination station to said intermediate transmitter station;

receiving at said intermediate transmitter station said television programming and said plurality of signals;

transmitting said television programming from said intermediate transmitter station to said receiver station based upon at least one of said plurality of signals received at said intermediate transmitter station;

receiving at said receiver station said transmitted television programming and said at least one of said plurality of signals;

outputting at an output device at said receiver station said received television programming;

generating, under computer control, a user specific output at said receiver station;  
and



outputting said generated user specific output based upon said received at least one of said plurality of signals, thereby to provide said television programming and said generated user specific output.

99. (Unchanged) The method of claim 98, wherein said step of outputting said generated user specific output includes outputting said generated user specific output in response to said received at least one of said plurality of signals, thereby to output a presentation including said television programming and said generated user specific output.

100. (Twice Amended) A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:

receiving said television programming at at least one origination station ;

transmitting said television programming and a plurality of signals from said at least one origination station to said intermediate transmitter station;

receiving at said intermediate transmitter station said television programming and said plurality of signals;

transmitting said television programming and at least one of said plurality of signals from said intermediate transmitter station to said receiver station based upon said at least one of said plurality of signals received at said intermediate transmitter station;

receiving at said receiver station said transmitted television programming and said at least one of said plurality of signals;

outputting at said receiver station information [contained] included in said received television programming;

receiving and storing data at said receiver station; and

generating and outputting, under computer control and based upon said stored data, a user specific output at said receiver station in response to said at least one of said plurality of signals, thereby to output a coordinated presentation comprising said television programming and said generated user specific output.

101. **(Cancelled.)**

102. (Unchanged) The method of claim 101, wherein said data is transmitted from said at least one origination station, said intermediate transmitter station receives and retransmits said data, and said receiver station detects said data in a signal received from said intermediate transmitter station.

103. (Unchanged) The method of claim 100, further comprising said step of logging transmission of said television programming and said at least one of said plurality of signals from said intermediate transmitter station to said receiver station.

104. (Unchanged) A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:

- receiving said television programming at an origination station ;
- transmitting said television programming, a first signal and a second signal from said origination station to said intermediate transmitter station;
- storing a programming schedule at said intermediate transmitter station;
- receiving at said intermediate transmitter station said television programming, said first signal and said second signal;
- detecting said first signal and said second signal;
- comparing said first signal to said programming schedule;

transmitting said television programming and said second signal from said intermediate transmitter station to said receiver station according to said programming schedule based on said step of comparing;

receiving at said receiver station said transmitted television programming and said second signal;

outputting on an output device at said receiver station said received television programming;

receiving and storing data at said receiver station; and

generating and outputting, under computer control and based upon said stored data, a computer generated output at said receiver station based upon said second signal, thereby to output a coordinated delivery comprising said television programming and said computer generated output.

105. (Unchanged) The method of claim 104, wherein said step of comparing comprises comparing said first signal to said programming schedule; said first signal comprising a first identification signal identifying said television programming; said programming schedule comprising a second identification signal, a transmission time and a transmission channel for transmitting said television programming.

106. (Unchanged) The method of claim 105, wherein said programming schedule further comprises a designated time and a designated channel for said intermediate transmitter station to receive said television programming from said origination station.

107. (Unchanged) The method of claim 105, wherein said step of transmitting said television programming from said intermediate transmitter station comprises transmitting said television programming and said second signal from said intermediate

transmitter station to said receiver station at said transmission time and on said transmission channel, according to said programming schedule based on said step of comparing.

108. (Unchanged) The method of claim 104, wherein said computer generated output is user specific.

109. (Unchanged) A method of controlling an intermediate transmitter station to communicate television programming to a receiver station, said method comprising said steps of:

- receiving said television programming at an origination station;
- transmitting said television programming, a first signal and a second signal from said origination station to said intermediate transmitter station;
- storing a programming schedule at said intermediate transmitter station;
- receiving at said intermediate transmitter station said television programming, said first signal and said second signal ;
- detecting said first signal at said intermediate transmitter station;
- comparing said first signal to said programming schedule;
- transmitting said television programming and said second signal from said intermediate transmitter station to said receiver station according to said programming schedule based on said step of comparing;
- receiving at said receiver station said television programming and said second signal;
- detecting said second signal at said receiver station;
- outputting on an output device at said receiver station said television programming; and

performing, under computer control at said receiver station, a function in response to said second signal.

110. (Unchanged) The method of claim 109, wherein one of said first signal and said second signal is embedded in said television programming.

111. (Unchanged) The method of claim 109, wherein said function includes governing said receiver station environment.

112. (Unchanged) The method of claim 109, wherein said function includes coordinating delivery of information to supplement said television programming.

113. (Unchanged) The method of claim 109, wherein said function includes storing data to evidence one of an availability, use, and usage of said television programming.

114. **(Twice Amended)** The method of claim 109, wherein said intermediate transmitter station transmits said first signal and said receiver station stores information [contained] included in said first signal to evidence one of an availability of said second signal and a performance of said function.

115. (Unchanged) The method of claim 109, wherein said television programming includes an incomplete video image and said function includes delivering information to complete said incomplete video image at a television display device.

116. **(Twice Amended)** The method of claim 109, wherein said function includes processing a user response to information [contained] included in said television programming.

117. (Unchanged) The method of claim 109, wherein said function includes controlling a tuner to tune a receiver to receive additional television programming to one of precede and follow said television programming received at said receiver station with said second signal.

118. (Unchanged) The method of claim 109, wherein said function includes communicating data to a remote data collection station.